



Towards resilient City Region Food Systems (CRFS)

Introduction

Pay Drechsel
IWMI WLE

IN PARTNERSHIP WITH:



CGIAR Going Urban?!

One-CGIAR initiative on
**Resilient Cities and sustainable
UPU agrifood systems**
(2022 – 2030)

CGIAR
&
RUAFA,
FAO,
World
Vegetable
Center,
etc.

UA → CRFS

Rural-Urban
Linkages flagship
(2012 – 2021) of the
CGIAR WLE program

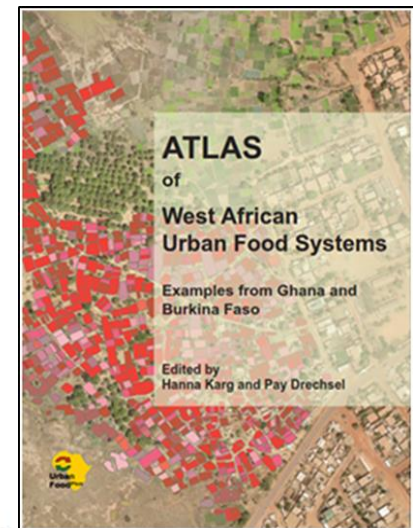
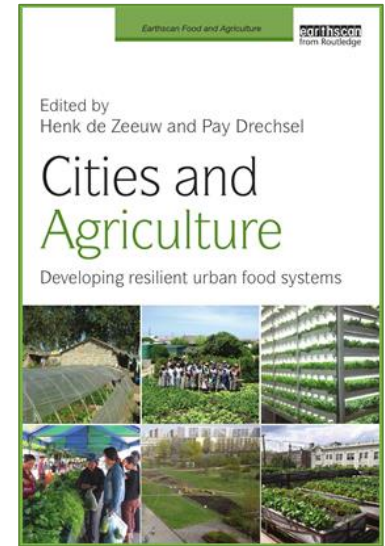
Urban Harvest (2000 – 2010)
CGIAR System-wide initiative
on urban and peri-urban
agriculture



Hungry and thirsty cities are vast consumption hubs, nutrient sinks, and waste generating metabolisms; highly dependent on multiple food- and watersheds while exploiting and polluting especially their peri-urban environment.

- BM – Biomass
- CF – Chemicals and fertilizers
- FF – Fossil fuels
- MM – Metallic minerals
- NM – Nonmetallic minerals
- O – Others

- So1 – Agriculture and mining
- So2 – Biomass-related products
- So3 – Chemicals and fuel products
- So4 – Construction products
- So5 – Metallic products
- So6 – Machinery and equipment
- So7 – Utilities



The WLE Rural-Urban Linkages Flagship

RESOURCE INFLOW

DEVELOPMENT

VALORIZATION

ASSEMBLY

DISTRIBUTION

PURCHASE

CONSUMPTION

APPLICATION

END OF USE

DISPOSAL

LANDFILLING INCINERATION

POLLUTION

The sustainability of the urban food system depends on (i) the viability and resilience of food supply e.g. against shocks, and the (ii) efficiency, circularity and safety of urban waste management.

The WLE Rural-Urban Linkages Flagship

RESOURCE INFLOW

VALORIZATION

CIRCULATION

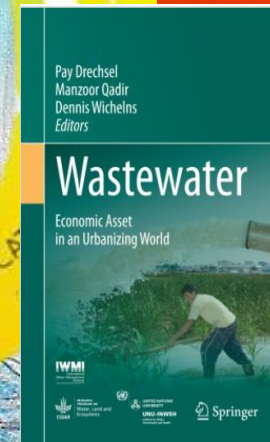
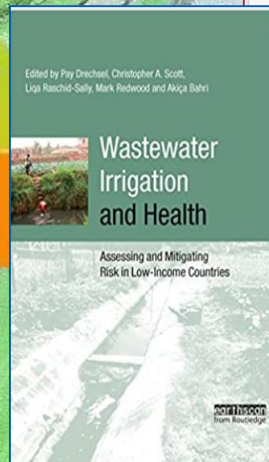
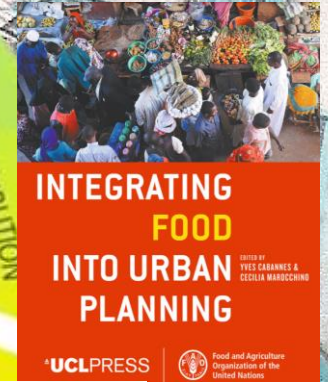
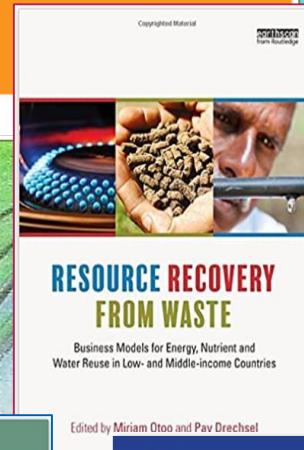
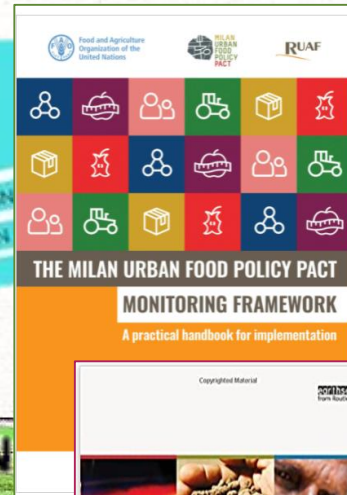
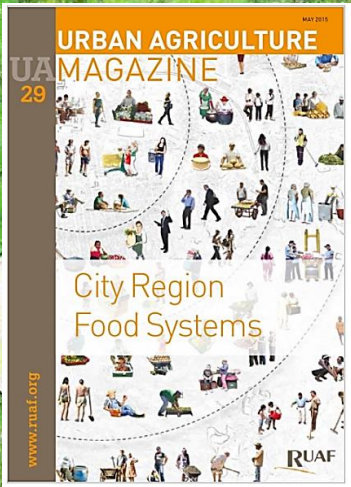
DISPOSAL

LANDFILLING INCINERATION

TECHNOSPHERE
BIOSPHERE

RECYCLING
REMANUFACTURING
REDISTRIBUTION
EXTENSION

ASSEMBLY
DISTRIBUTION



Circular diagram modified from Michael Leube

CITY REGION FOOD SYSTEMS PROGRAMME

REINFORCING RURAL-URBAN LINKAGES FOR RESILIENT FOOD SYSTEMS



Overview

Toolkit

Pilot cities

News

Resources

Contact

RUAF is a **global partnership** on **sustainable urban agriculture** and **food systems**



Food and Agriculture Organization of the United Nations



FA



RUAF



211 cities

About ▾

Fora ▾

Awards

CITYFOOD:
Linking Cities on
Urban Agriculture and
Urban Food Systems

7th MUFPP Global Forum

The city of Barcelona will host the 7th MUFPP Global Forum on 19-21 October 2021